

FIG. 1

- 1 DRY BATTERY
- ACCUMULATOR BATTERY
- SOLAR BATTERY
- 5 21 FISHBONE SENSOR
- 22 AMPLIFYING CIRCUIT
- 22a CACHE MEMORY
- 23 EXTERNAL SWITCH CIRCUIT
- 24 EXTERNAL ANTENNA
- 10 26 I/O CIRCUIT
- 31 INTERNAL ANTENNA
- 32 INTERNAL SWITCH CIRCUIT

15 FIG. 3

## SIGNAL SENDING PROCESS

- S101 WRITE GAIN IN EEPROM IN CACHE MEMORY
- S102 OUTPUT START SIGNAL
- S103 CONNECT SIGNAL SUPPLY PATH FOR PROCESS TARGET CANTILEVER
- 20 TO ANTENNA
- S104 SEND SIGNAL FROM PROCESS TARGET CANTILEVER
- S105 ALL CANTILEVERS HAVE BEEN PROCESSED?
- S106 OUTPUT END SIGNAL

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FIG. 4

## SIGNAL RECEPTION PROCESS

S201 CONNECT SIGNAL SUPPLY TARGET ELECTRODE TO ANTENNA

S202 SUPPLY SIGNAL TO SUPPLY TARGET ELECTRODE

S203 END SIGNAL HAS BEEN SUPPLIED?

END

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FIG. 5

1 DRY BATTERY

ACCUMULATOR BATTERY

10 SOLAR BATTERY

21 FISHBONE SENSOR

22 AMPLIFYING CIRCUIT

22a CACHE MEMORY

23 EXTERNAL SWITCH CIRCUIT

15 24 EXTERNAL ANTENNA

26 I/O CIRCUIT

31 INTERNAL ANTENNA

32 INTERNAL SWITCH CIRCUIT

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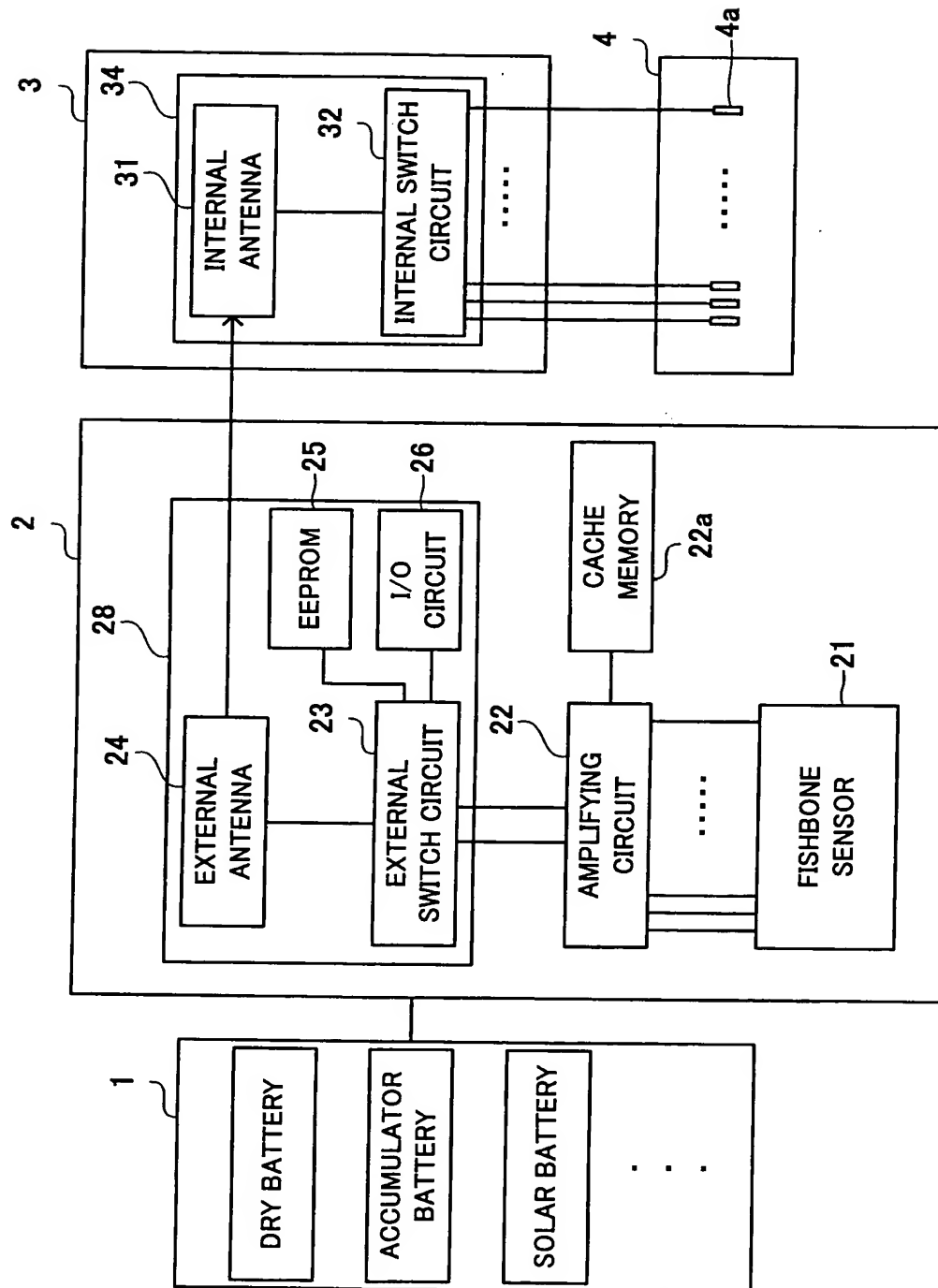


FIG. 1

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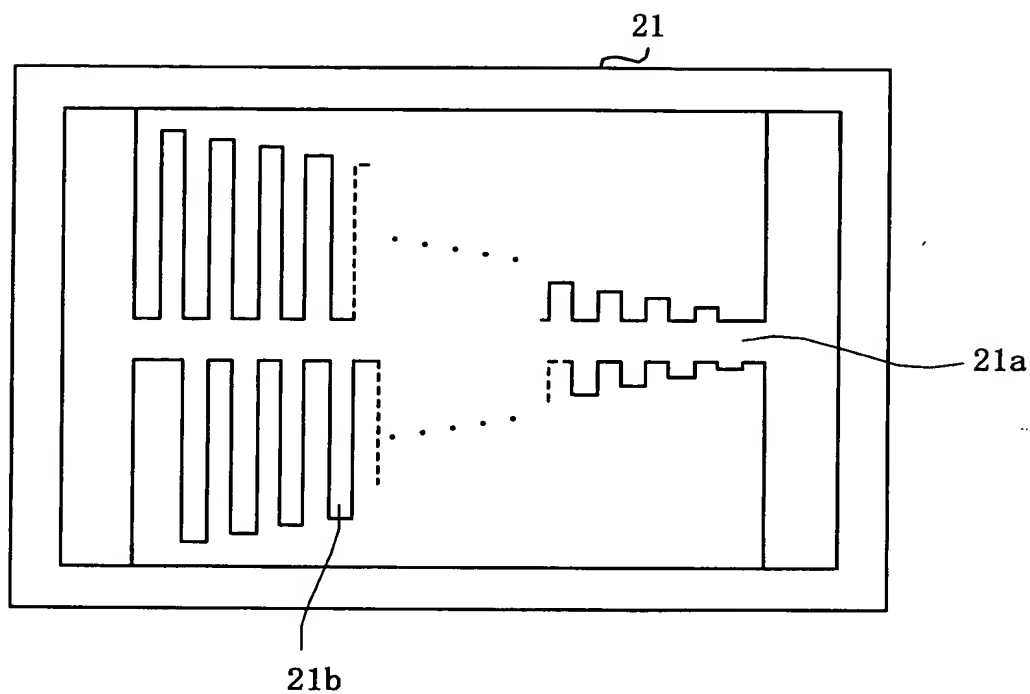


FIG. 2

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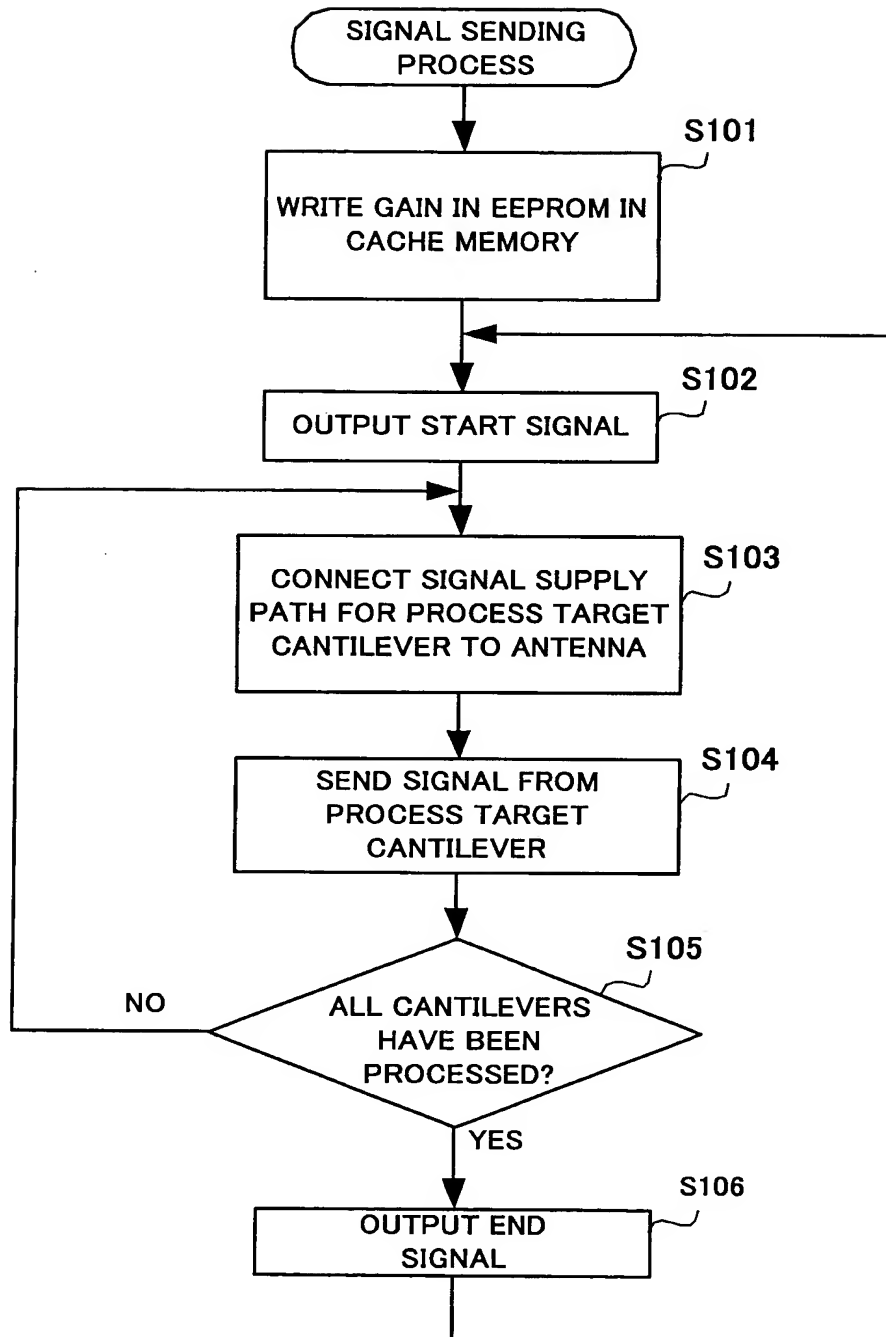


FIG.3

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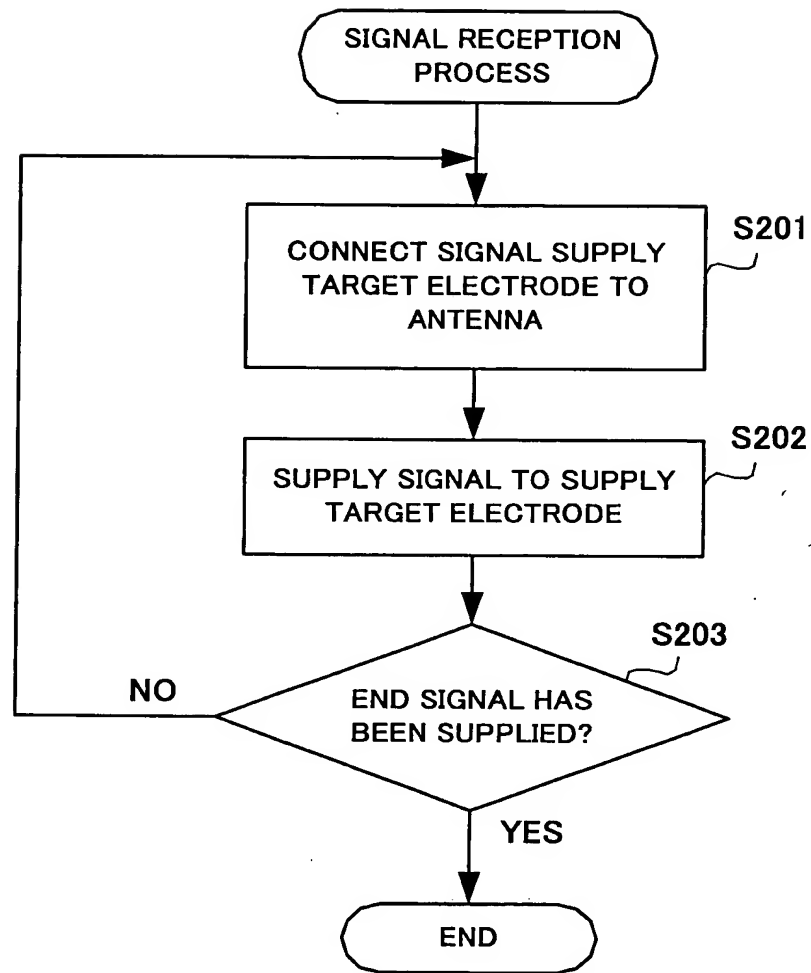


FIG.4

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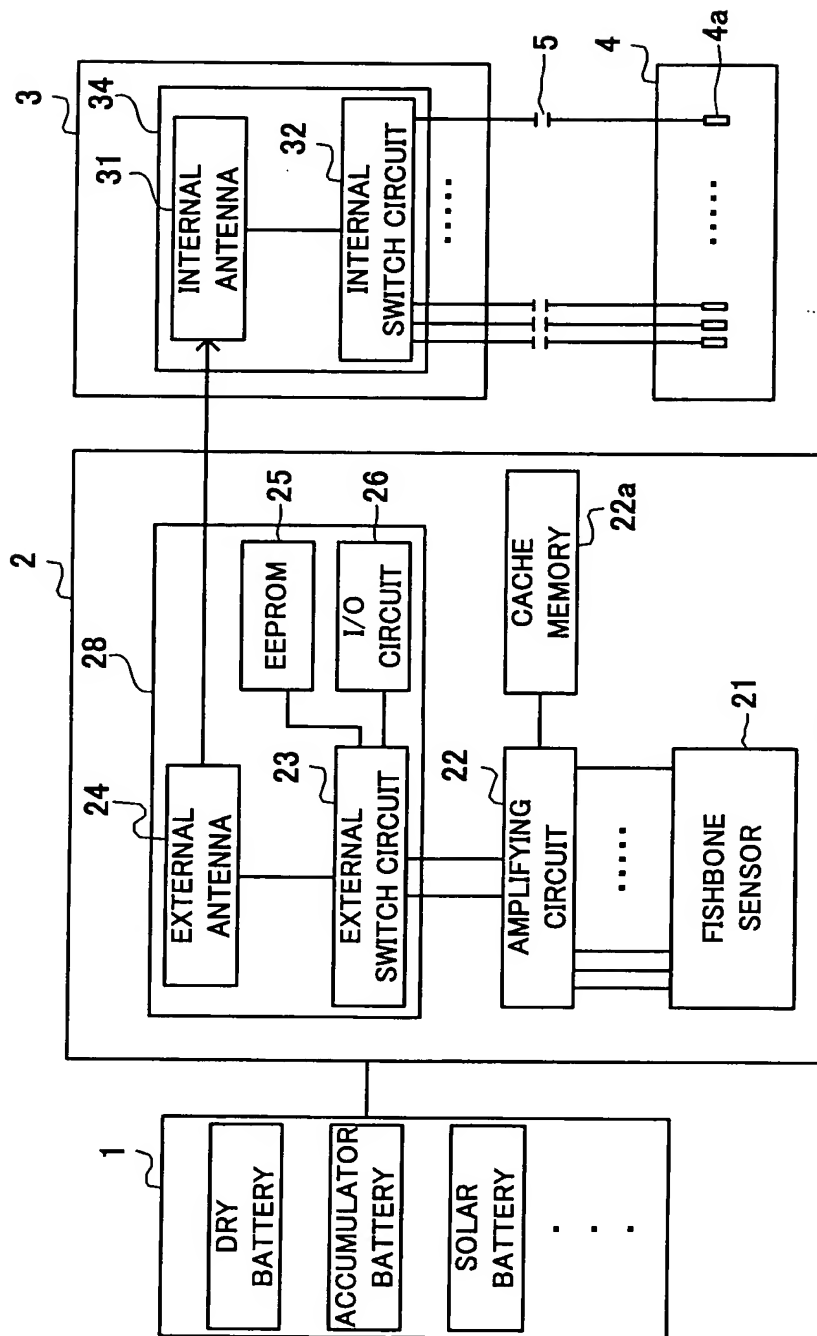


FIG.5